4.

Activity	Immediately preceding activities
A	-
B	-
C	-
D	A
E	A, B, C
F	A, B, C
G	C
H	D, E, F
I	F
J	F, G
K	F, G

(a) Draw the activity network described in the precedence table above, using activity on arc and the minimum number of dummies.

(5)

Given that

- activity D has a duration of 2 hours
- activity I has a duration of 2 hours
- every other activity has a duration of 1 hour
- D and I are critical activities

(b) determine which other activities are critical.

(1)

(Total for Question 4 is 6 marks)